

Volume 2 Issue 12

December 1984 \$1.00

Timelinez Index Vol. 1, Issue 1 (Jul. 1983) to Vol. 2, Issue 11 (Nov. 1984)

program

month for part two of the Timex Perpetual Calendar

Watch

Thanks to Bill Miller for this month's index Bill went through all the old Timelinez's and put each article into the index. The index is in date order, beginning with Volume 1, Issue 1, from July, 1983. Each issue is headed by the word TIMELINEZ. followed by the date (YYMM), and the volume and issue numbers. Under the heading, each article is preceeded by its page number. If there are several topics covered in one article, then the topics are preceded with astericks.

Bill's hope is to put all Timex/Sinclair articles into a "bulletin board" index. Ideally, people would be able to call up the bulletin board and ask for articles on a given topic or by a given author. The index would be constantly updated by users who would input new references.

To give you a flavor of what Bill is trying to do. I have put this TIMELINEZ index into a VU-FILE database. Tapes will be available from your respective computer clubs. With the VU-FILE database each record is an article. You can search for any string in the database (ie: "modem") and find all articles which reference that string.

If anyone is interested in helping Bill get his bulletin board going, talk to him at your next club meeting (Bill attends just about all the club meetings).

Jim March

ANNOUNCEMENT PUG OF MEET. CHANGE

Due to a conflict with the Super Bowl, the January 20th meeting of the Peninsula Users Group will start at 10 AM. We hope to see everyone there.

TIMELINEZ 8307 (Vol 1, Issue 1)
P1* Learning Z80 Assembly
Language Programming BY
Frank Mayra

Frank Maura
P1* Machine Code Graphics: The
T51000 (and ZX81) Display
File By Joel Brody
P3* Programming Tips- Saving
Bytes On Your Menus By
Kendric Smith
P3* 'Mastering Your Timex/
Sinclair 1000 Personal
Computer' Book Review By
David Kinkead

David Kinkead P4* PUG News BY George

Mockridge P4* EBZUG News BY Rick Link P4* SincLink News BY Paul

Perreault

Perreault
P6* Computer Continuum Product
Reports BY Eric Reiter
**** Fast Fourier Transform
**** Dual Trace Storage Scope
**** Printer Plotter
P7* ISMOVE: A Simple Moving
Graphic in Machine Code BY
.toel Brodu

Joel Brody

P7* Mystery Program Explained BY Bob Orrfelt P8* (TELEPHONE LIST) Program

Listing (Part Two) BY

TIMELINEZ (c) is the joint publication of three Timex/Sinclair User Groups in the San Francisco / Oakland / San Jose Bay Areas. Old and new members are always welcome including hardware, software, beginners, experts, etc. We hope to see YOU at our next meeting:

> EBZUG 3rd, Thu, Jan, 17 and Feb, 21 3rd. Sun. Jan. 20 and Feb. 17 SVSTUG Last Tue. Jan. 29 and Feb. 26

TIMELINEZ 8308 (Vol 1 Issue 2) P1* Timex News P1* P1* Hardware/ Software Reviews **** Exatron Stringy Floppy with Interface **** Hunter 2K-8K Nonvolatile Memory Board **** Z-XLR8 Fast Load Program P1* 'Tell Timex' Contest P2* 64K BYTE Memory Expansion for the TS1000 BY Terry Trigg P4* Rounding Off to 2 Decimal Places for Financial Programs By Joel Brody
P4* INKEY\$ Program Control By
Neil Steckley
P5* ZXTALKER Voice Synthesizer the TS1000 BY Letand for Harker P5* Tactile Keyboard Feedback for a Dime BY Henry Pollard P6* Learning Z80 Assembly
Language Programming (Part 2) By Frank Maura
P9* EBZUG News By Joel Brody
P9* 'Science and Engineering
Programs for the Timex/
Sinclair 1000' Book Review
By Henry Pollard By Henry Pollard 'British Electronics Wiz,
'British Electronics Wiz,
Clive Sinclair, Turns
Efforts to Developing
Electric Car' Article By David Brand Reprinted from The Wall Street Journal P11* PUG News BY George Mockridge Announcing T.S.U.N.A.M.I. P11* BY Walt Gaby

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PUG ANNOUNCEMENT OF MEET. CHANGE

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TIMELINEZ 8309 (Vot 1 Issue 3)
P1* Orgainizer: The Poor Man's
Word Processor BY Rick Link
P1* Timex News Update BY ?
P3* Saving Butes Ofter a Menu P3* Saving Bytes After a Menu BY Kendric Smith
P3# 'Timex/ Sinctair 1000 BASIC
Programs in Minutes' Book
Review By Norm Lehfeldt
P4# RAM- Pack Wobble Cures BY George Mockridge P5* Tape Loading Problems?-Cures By George Mockridge P5* Protect Your Computer from Line Transients BY Bob Wilson P6* Public Domain Software BY Henry Polard, EBZUG Librarian P7* PUG News BY George Mockridge P8* New Timex Software Program
Reviews BY Joel Brody
**** Automobile Analyzer **** Solar Water Heater Designer for Beginners **** Guitar **** Pinball **** Merchant of Venus **** Real Estate Investment Analysis Music Educator **** FUNdamentals of Math Spelling Bee * * * * **** Capitalization Master **** Language Usage Master

TIMELINEZ 8310 (Vot 1 Issue 4) P11* Timex News Update By George Mockridge hands

***** TIMELINEZ gets it's hand on it's first T52055 P12* Amateur Radio BY Teddy E.

Helderman Tell Timex' Contest P13*

Results

P14* PUG News BY George

Mockridge
P15* MTX- 512, World Class
Computer from MEMOTECH

Domputer From MEMULEUM
P16* Information Wanted: Can
anyone interface a paper
tape punch to a TS1000?
P17* Learning Z80 Assembly
Language Programming (Part
3) By Frank Maura
P18* 'Your Timex Sinclair 1000
and ZX81' Book Review By
Ualter Miller

and 2x31 Book Review D Walter Miller 'The Essential Guide to P19* Timex/ Sinclair Home Computers/ Book Review BY Jeanette Hancock

TIMELINEZ 8311 (Vot 1 Issue 5)
P21* 2000 Update
P22* A Low Cost Disk Drive for the Timex/ Sinclair: ZX Microdrive Announced
P22* Solar Water Heater Payoff Program Listing By Howard Collins
P33* Learning 780 Occombin Collins
P23* Learning Z8Ø Assembly
Language Programming (Part
3) BY Frank Maura
P23* 'Timex Sinclair Still in
the Game' BY Kevin
Anderson Reprinted from
'USA TODAY'
P24* Notice of 'Timex
Celebration' in Boston on
Oct. 22. Rita Carr will
Represent TIMELINEZ
P25* PUG News BY George
Mockridge Mockridge
P26* 'Tell Timex' Contest
Results (Part 2)
P27* SincLink News By Paul Perrault P28* Call for Forth Interest Timex Sinclair (F.I.T.S.) Special Interest Group By Walt Gaby

P29* 'SCOREPAD' Score Keeping

program listing BY Walter

E. Johnson

TIMELINEZ 8312 (Uot 1 Issue 6)
P31* Head Trauma Attiance Seeks
Cognitive Rehabilitation
Software (HELP! ..I can't
..think of ..the word..!)
BY Richard A. Huxtable
P33* A Celabration, October 22,
1983. A report on the
Boston T/S Celebration BY
Rita Carr
Enclosure* FORTH interest
Questionare BY Watt Questionare By Walt

8401 TIMELINEZ (Uot 2 Issue 1) P1* Timex Update **** Timex Modem Avail. 'soon' **** Timex Micro-Drive Avail. 'soon' **** Timex Bus Expansion Unit Avail. 'soon' **** Timex 2080 Printer Avail. 'soon' P1* South Bay T/S User's Group **** Richard L. Huxtable of The Head Trauma Alliance and Billy Skyrme of Timex to speak at the January speak at the January
meeting

**** 831219 Dan Ross, Timex
Computer UP resigns

P2* EBZUG Info- American Head
Trauma Alliance Update

P3* TEXTURITER 1000 T51000
Program Review BY Paul D.
Perreault

P4* MEMOTEXT T51000 Program
Review BY Norm Lehfeldt

P5* WORD SINC II T51000 Program
Reviews BY Walt Johnson and
Dennis J. Krilt
P6* PUG Membership Directory P6* PUG Membership Directory

8402 TIMELINEZ (Vol 2 Issue 2) P9* Timex Update **** January South Bay Meeting **** Timex representatives announce new products
***** Timex representatives ***** Timex representatives
show new products

P9* American Head Trauma
Alliance needs Cognitive
Rehabilitation SoftwareContact Walt Gaby

P10* South Bay Meeting A
Success- Attendance over
130- Dick Huxtable of Th
Head Trauma Alliance
speaks on the need for speaks on the need for Cognitive Rehabilitation Software BY Rita Carr P10* Zeus Assembler T52068 Program Review BY Joet Brody P11* Music Library T51000 Program Review BY Dennis Parker P11* Character Design BY Walt Gaby
P12* Sinclair QL announcement
BY Maile Hulihan and
Dennis Kneale reprinted
FROM The Wall Street Journal P13* Display File Explorer
T52068 Program Listing BY
Joel Brody
P15* Solar Water Heater Program
Review BY Paul. D. Perreault P15* ZX Spectrum Machine Code on the T52068 Reprinted FROM Syntax ZX80 8403 TIMELINEZ (Vol 2 Issue 3) P17* Timex Quits But We'll Go On P17* T/5 Users at the Computer P17* T/S Users at the Computer
Faire
P18* Timex Sinclair Color
Graphics by Nick Hampshire
A Book Review BY Walt Gaby
P19* Character Editor Program
Listing by Nick Hampshire
P20* Card Games BY William
Gordon Gordon

* Shuffle Routine Program
Listing BY William Gordon
P22* T51000 Parts Prices

* T51015 Parts Prices

* Parts Order Form
P23* SINing and Filling-in on
the T52068 BY Joel Brody
P24* Books about the T51000 and
Memotech 32K Memory Review
BY Michael Wiesenberg FROM
Dr. Dobb's Journal 8312
P25* Joystick Patch For Timex
Frogger Gordon

8404 TIMELINEZ (Vol 2 Issue 4)
P27* 2 page TIMELINEZ mailed
with sample issue of T-5
Horizons
P27* Computer Faire Report
(brief) By Bill Miller
P28* A keyword table for the
T52068 By Henry Polard
Attachments
* T-5 Horizons
* Sunset Electronics Flyer

8405 TIMELINEZ (Vol 2 Issue 5)
P29* Timex Update BY Rita Carr
***** 840424 Trinity Magnum?
Dan Higgenbottom?
***** General Electric is
trying to buy Timex
Computer Corp. rights?
***** Radio Shack's TP-10
thermal printer paper
really works great with
the T52040 printer. The
print is darker and it
sells for \$3.95 for 2
rolls. (FROM C. Raynak of
the Cleveland T5 Users
Group) Group) P29* Timex trade-in offer from Memotech
P30* A&J Microdrive Stringy Floppy for Timex 1500 Hardware Review BY R.L. Huxtable P32* TV Computer Program
Schedule BY Bill Miller
P32* Sinclair QL Update
P34* Rita Carr's Newsletter Exchange Taming the bug in T52068 VU-CALC BY Gary Szekeres OF The T/S Users Group of Cincinnati ***** Darken up the Display File (and Print Out) Program Listing FROM The Triangle Timex Users Group ***** Some Names at Timex FROM The Boston Computer Society
P35* Game Scoreboard Program
Listing BY Kendric Smith
P36* Inverting Screen Display BY William Gordon Interfacing an electric typewriter to a ZX81 BY Vivian Nelson Mitchell

8406 TIMELINEZ (Vol 2 Issue 6) P39* T/5 Users Meet On Compuserve BY Norm Lehfeldt (Compuserve ID # P40* T/S Hostel System BY Rick Johnson P41* Timex announces schematic and Technical Manual for T52068 P41* Timex Survivors Flyer FROM Games to Learn By, Inc P42* Undocumented Z-80 Instructions By Frank Computer Faire Report BY Bill Miller Maura P44* Write an article for TIMELINEZ using DATA statements By Bill Miller Inverting Sreen Display-Program Errors By Pete Sadler P45* P45*

P45* Getting Acqainted BY Bill

Miller

P45* ESFOA ST SIG (Exatron Stringy Floppy Owners Association, Sinclair Timex Special Interest Group) ****** Convert your CAI 2K ROM
Stringy Floppy to work
with the 4K ROM A&J
Interface By Bill Miller
P45* Tree- Forth Users BY J. Cohen P46* Update BY Rita Carr

***** Brian Leary, Energy

Management Rep. from PG&E

spoke at the May meeting spoke at the may meeting on home energy management/ security systems using a personal computer. personal computer.

***** Bob McConahy of
 Washington DC area is
 building an interface to
 go under the TS2068

***** FROM Dick Wagner OF
 Oregon- Usefull POKEs for
 the TS2068

P46* Heard in the alley BY Bob Orrfelt ***** T52068 Cartridge from ASTEC? Repair parts for T52040 from Alphacom? Stringy Floppies (WAFADRIVE?) from Hong Kong? Trinity Magnum? Dave **** Higgenbottom?

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8407 TIMELINEZ (Vol 2 Issue 7)
P47* Modem owners – List TS
computer owners who also
own modems BY Walt Gaby
P47* T/S Beats IBM BY Bob
                        Orrfelt
 P48* Scrabble Score Program
Listing BY Kendric C.
Listing BY Kendric C.
Smith
P50* T/S 1000 Programs on the
TS2068 BY Norm Lehfeldt
P52* Nationwide Software
Collection Proposal BY
Frank P. Dunkelberg
P53* SCREEN- SOLV electronic
worksheet description FROM
Banta Software
P53* Zebra Systems BBS for T5
users 212 296-2229
P54* War in the East Game
 P54* War in the East Game
Program Review- Rated
```

Excellent By Donald H.

Marks

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8408 TIMELINEZ (Vol 2 Issue 8)
P55* T/S Update
***** T52068 Spectrum Emulator
available from Doug Dewey
***** T52068 Game Cartridges
available from Sunset
                          Electronics
  ***** TIMEX inventories sold to
***** TIMEX inventories sold to liquidator

***** T52040 & T51500

Schematics (drawn by Bob Orrfelt, traced by Jim Levey) available

***** BB5 for all Timex Users
304 652-1416

***** T-S Horizons (No. 6) has a review of Bob Orrfelt's UP-32 written BY Walt
                         Gaby
SRL UK says it will sell
600 48K ZX Spectrums to
a Chinese College
Sync Ware News is a new
publication from Tom
  ****
 woods
***** Computer Trader Magazine
has a section on TS
 ****** Computers

***** Computer Shopper has a TS

section BY Mark Fendrick
(Compuserve EMAIL 74216,
                           1245)
 P56* Hidden Word Puzzle
Generator Program Listing
BY George Mockridge
P60* The Jungle Jim BY Jim
March
***** Addition of Strings
P51* Rita Carr's Newsletter
Exchange
***** From THE RAMTOP
****** Tips on typing in TS2068
Programs By Darrell
programs by parrett
Geiger

***** FROM John Peterson OF
South Bay Computer Club

****** Non- Breakable Programs
T52068 Back- Up Copies
P61* Convert your CAI Stringy
Floppy to store variables
with the BASIC program
just as the cassette does
BY Bill Miller
```

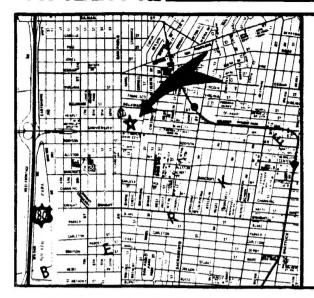
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P61* In and out of CAPS mode from within program for T52068 program listing BY Walt Gaby
P61* The First Bug BY Navy Capt. Grace Hopper P62* A complete graphics package for the T52068 (Graphist) Software Review
    84@9 TIMELINEZ (Vol 2 Issue 9)
P63* TIMELINEZ gets it's hands
on a 'WAFADRIVE' prototype
                                  on a WHPHDRIVE prototype (Dual Stringy Floppy, RS-232 port, Centronics style port Unit for the ZX Spectrum) Contact Bill
Miller
P63* T/S on-line- T52050
Modem, Compuserve, and BBS report By Joel Brody
P63* Usefull POKEs for the T52068 BY George Mockridge
P66* Rita Carr's Newsletter
Exchange
***** Breaking and saving programs on the T52068
BY Dennis Jurries
BY Dennis Jurries
***** FROM Susan Hiatt in Ohio
****** Convert Binary Numbers
to Decimal on the T52068
***** FROM ATSU NL (in central Ohio) BY David Hosher-
Unbreakable/ Unstopable program listing?
P66* T52068 User's Guidebook tists over 250 products for the T52068 and over 80 dealers still supporting it FROM T.S. Services
P66* Linda Banta of Banta Software Sends two programs to tell if T52040 is on or off
P77* The Jungte Jim BY Jim March
***** The GOTO statement
   Miller
P63* T/S on-line- T52050
                                March
 ***** The GOTO statement

**** How the computer stores a

program line in memory

P68* Spectrum Emulator/
                                 Chameteon News By Rick
Link OF EBZUG
   P70* Graphing Data: Part I BY
Donald H. Marks
```



E B Z U G East Bay Z80 User Group 654 40th Street Richmond, CA 94805 (415) 234-3310 or 531 531-6566

PRESIDENT JOEL Brody NEWSLETTER EDITOR Rick Link

EBZUG meets the third Thursday of each month at:

WEST BRANCH BERKELEY PUBLIC LIBRARY at the corner of University and San Pablo. Heetings start at 7:30 pm. Bring equipment and power strips.

UPCOMING MEETINGS:

No December Meeting January 17, 1985 February 21, 1985



PENINSULA USER GROUP - PUG 263 Gateway No. 107 Pacifica, CA 94044 (415) 359-3198 or 333-2231

PRESIDENT LETTER EDITOR

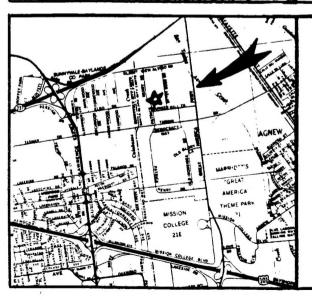
George Mockridge George Mockridge

PUG meets the third Sunday of each month at:

PENINSULA HOSPITAL, 1783 EL CAMINO, BURLINGAME. 1 pm. Meet, room on lower level. Use North entrance. Bring equip. & extension cords if possible.

UPCOMING MEETINGS:

No December Meeting January 20, 1985 (10 AM) February 17, 1985



Silicon Valley SINCLAIR/MAGENT User Group (SVS/MUG) P.O. BOX 4133 Santa Clara, CA 95054-0133 (408) 738-2888 X4536

PRESIDENT Rita Carr NEUSLETTER EDITOR Bill Miller

SVS/QUG meets the last Tuesday of each month at:

Dysan Corp. Headquarters 5201 Patrick Henry Drive Santa Clara, CA

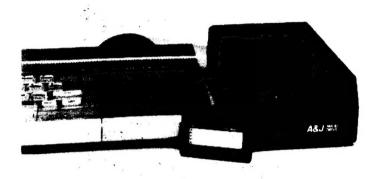
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UPCOMING HEETINGS:

No December Meeting January 29, 1985 February 26, 1985

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820040	MODEL 2000 DRIVE 2	124.50
900001 900002 900003 900004 900005	10' MICRO WAFER II	4.25 4.25 4.50 4.75 4.75
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8410 TIMELINEZ (Vol 2 Issue 10) P71* Word Processor can be customized by TS1000/ 1500 users - Word Processor Program Review By Norm Lehfeldt P72* The Jungle Jim- ROM character generator Part I BY Jim March P73* Rita Carr's Newsletter Exchange ***** FROM BOSTSNL (Boston Computer Society T/S News (etter) ****** Password Security-Program Listing By John Program Listing by common Kemeny
***** FROM CPT Charles R. Byler
***** Stop Auto- running ZX81/
T51000 Programs
****** Get a ZX Spectrum ROM
from the UK for about \$9
***** FROM EBZUG- Mike Minutoli
***** Banta Software 'Is The
Printer on or off'
Listing for the T51000
(P66) error (P66) error ***** FROM SRLUSAPR- Mary Reinman ***** Sinclair Research Ltd. ****** Sinclair Research Ltd.
Expands - Opens New
Offices in Middle East
and South East Asia

****** Sinclair's current
computer production
exceeds 150,000 units
per month

****** QL has been sold by mail
order in UK for six ***** FROM CATS (Capital Area TS users group)

****** A cozy nook for machine
code in the TS2068 BY ?

P76* 8-16K Switch for Cheetah
64K RAM Packs BY Doug Hoiles P77* Program listing for graphing data: Part II BY Donald H. Marks

8411 TIMELINEZ (Vol 2 Issue 11) P79* Pay Off That Debt! Loan amortization program P79* Changing The Guard- Jim March takes over as TIMELINEZ Managing Editor TIMELINEZ Managing Editor
P80* The Jungle Jim- Character
Display, Part II and PAUSE
BY Jim March
P81* Pattern Generator Helps
Adjust Color TV Sets and
Monitors BY Norm Lehfeldt
P81* How to adjust T52068
color, to remove 'tear'
and to remove 'character
bleeding' or 'crawlies' BY
George Mockridge
P82* EBZUG Swap Meet Report
P84* Double size letters for
Bob Orrfelt's UP-32 Word
Processor Program BY Walt Processor Program By Walt Gaby P85* More Information From Rita Carr's N/L Exchange Program ***** From T/S Services N/L ***** Aerco - Tasword Two Patch ***** TS2050 MODEMS vs Power Strips
****** TS Maintenance News
***** From T/S Users Group of
Cincinnati Cincinnati

****** Corrections to T52068

Technical Manual

***** Public Domain Software
Exchange Offer

***** From SUM (5/T Users
Magazine)

***** How to use a large Bit
Mapped Graphics Printer
with the T52050 Modem
and Aerco interface

***** From T/S Users Group of
Vancouver Vancouver ****** Find the Area of an irregular space with your ZX81- Program Listing P86* Timex Perpetual Calendar Program Listing (Lines 475-800 are missing) BY Jay Brockman

Meneging Editor Jim Merch
Editors
EBZUG Rick Link
PUG G. Meckridge
SVSTUG Bill Hiller
Advertising

PUG Norm Lehfeldt EB2UG Bill Strick
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